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The details shown on the following pages are suggestions or guidelines for installing the Multi-Cor and M-Cor wall and roof panel system. The installation details shown here are proven methods of construction, but they are not intended to cover all building requirements, designs or codes. The details may require changes or revisions due to individual project conditions.

Installation procedures shall be in accordance with the manufacturer's printed instructions, details or approved shop drawings. Installers should thoroughly familiarized themselves with all instructions prior to beginning the installation process.

The designer/installer is responsible to ensure the following:

That the details here meet the particular building requirements.

That adequate water tightness is maintained.

That a proper uniform substructure is used to avoid panel distortion and that the substructure meets necessary code requirements.

That all supporting members have been examined and are straight, level and plumb.

McElroy Metal can provide all flashings and accessories shown in the installation drawings unless noted otherwise. Panels, flashing and trim shall be installed true and in proper alignment with any exposed fasteners equally spaced for the best appearance. Sealant shall be field applied on a clean, dry surface.

Some field cutting and fitting of panels and flashings is to be expected and to be considered a part of normal installation work. Workmanship shall be of the best industry standards and with installation performed by experienced metal craftsmen.

Oil canning of metal panels is inherent in the product and is not a cause for rejection.

Contents of this manual are subject to change without notice. To confirm this book is the most current copy, please visit McElroy Metal's website at www.mcelroymetal.com.
FASTENER PATTERNS

FASTENER (PATTERN #2)
1/4"-14 X 7/8" LAP TEK ZAC
FASTENER (@ EVERY THIRD RIB)

TRIM FASTENER PATTERN

FASTENER (PATTERN #1)
STITCH FASTENER
(1'-8 O.C.)

TAPE SEALANT
ROOF PANEL SEAMS ONLY

MULTI-COR PANEL

FASTENER (PATTERN #2)
STITCH FASTENER
(1'-8 O.C.)

TAPE SEALANT
ROOF PANEL SEAMS ONLY

MULTI-COR PANEL

FASTENER (PATTERN #1)
STITCH FASTENER
(1'-8 O.C.)

TAPE SEALANT
ROOF PANEL SEAMS ONLY

M-COR PANEL

FASTENER (PATTERN #2)
STITCH FASTENER
(1'-8 O.C.)

TAPE SEALANT
ROOF PANEL SEAMS ONLY

M-COR PANEL

PANEL FRAMING AND STITCH FASTENER PATTERNS
NOTES: 1. Base Structural Member set flush with edge of Finished Floor.
2. Set Simple Base Trim 1 1/2” down face of finished floor.
3. Set Closure in position on Simple Base Trim.
4. Set Multi-Cor / M-Cor Wall Panel into Place. Make sure to leave a 1/8” gap between trim and panel.
5. Attach panel with #12-14 X 1 1/4" Tek 2 Fastener W/ Washer per Fastening Pattern (See Fastener Pattern #1 On Page B-1).
NOTES: 1. Base Structural Member set flush with edge of Finished Floor.
2. Set Base Trim 1 1/2" down face of finished floor.
3. Set Closure in position on Base Trim.
4. Set Multi-Cor / M-Cor Wall Panel into place. Make sure to leave a 1/8" gap between trim and panel.
5. Attach panel with #12-14 x 1 1/4" Tek 2 Fastener W/ Washer per Fastening Pattern (See Fastener Pattern #1 On Page B-1).

*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.
NOTES: 1. Attach Multi-Cor / M-Cor Wall Panel to Wall Structural Member with #12-14 x 1 1/4" Tek 2 Fastener W/ Washer using Fastener (See Fastener Pattern #2 On Page B-1.)
OUTSIDE CORNER DETAIL

NOTES: 1. Attach Multi-Cor / M-Cor Wall Panel to Wall Structural Member with #12-14 x 1 1/4" Tek 2 Fastener W/ Washer using Fastener (See Fastener Pattern #2 On Page B-1.)

#12-14 X 1 1/4" TEK 2 FASTENER W/ WASHER
(SEE PATTERN #2 ON PAGE B-1.)

1/4-14 X 7/8" LAP TEK FASTENER W/ WASHER
(@ 1'-8" O.C. MAX)

OUTSIDE CORNER DETAIL

WALL STRUCTURAL MEMBER

#12-14 X 1 1/4" TEK 2 FASTENER W/ WASHER
(SEE PATTERN #2 ON PAGE B-1.)

MULTI-COR / M-COR PANEL

OUTSIDE CORNER TRIM

1/4-14 X 7/8" LAP TEK FASTENER W/ WASHER
(@ 1'-8" O.C. MAX)

NOTES: 1. Attach Multi-Cor / M-Cor Wall Panel to Wall Structural Member with #12-14 x 1 1/4" Tek 2 Fastener W/ Washer using Fastener (See Fastener Pattern #2 On Page B-1.)

#12-14 X 1 1/4" TEK 2 FASTENER W/ WASHER
(SEE PATTERN #2 ON PAGE B-1.)

WALL STRUCTURAL MEMBER

1/4-14 X 7/8" LAP TEK FASTENER W/ WASHER
(@ 1'-8" O.C. MAX.)

MULTI-COR / M-COR PANEL

OUTSIDE CORNER TRIM

OUTSIDE CORNER DETAIL

*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

C-4

TECHNICAL SERVICE
1-800-950-9082
NOTES: 1. Attach Head Trim to Header using #10-16 x 1" TEK 2 Pancake Head Fastener every 2'-0" O.C.
2. Set Inside Closure in position on Head Trim.
3. Install Multi-Cor / M-Cor Panel to Header Structural Member with #12-14 x 1 1/4" Tek 2 Fastener W/ Washer using Fastener (See Fastener Pattern #1 On Page B-1).

*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC
NOTES: 1. Attach Jamb Trim to Jamb Structural Member using #10-16 x 1" TEK 2 Pancake Head Fasteners (See Fastener Pattern #2).  
2. Install MULTI-COR / M-COR Panel to Wall Structural Member with #12-14 x 1 1/4" Tek 2 Fastener W/ Washer using Fastener Pattern (See Fastener Pattern #2 On Page B-1).
NOTES: 1. Attach Wall Panel to Eave Structural Member with #12-14 Tek 2 Fastener W/ Washer using Fastener Pattern (See Fastener Pattern #1 On Page B-1).  
2. Eave Trim to run from out of wall to out of wall.  
3. Trim pieces lap 2". Apply 3/32" x 3/8" Butyl Tape Sealant in trim laps and Pop Rivet trims as on page C-17.  
4. Attach Eave Trim to Wall Panel at major ribs with 1/4-14 x 7/8" Lap TEK Fasteners.  
5. Apply continuous run of 1" Butyl Tape Sealant on top of Simple Eave Trim.  
6. Set Closures in tape and apply another continuous run of 1" Butyl Tape Sealant on top of closures.  
7. Attach Multi-Cor / M-Cor Roof Panels in place with 1/4-14 x 1 1/4" TEK 2 ZAC with Washer. (See Pattern Fastener #1).  

*NOTE: SOME ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC
**NOTES:**

1. Attach Multi-Cor / M-Cor Wall Panel to Eave Structural Member with #12-14 x 1 1/4” Tek 2 Fastener using Fastener (See Fastener Pattern #1 On Page B-1).
2. Gutter to run from out of wall to out of wall.
3. Trim pieces lap 2”. Apply 3/32” x 3/8” Butyl Tape or Butyl Tube Sealant at trim laps and Pop Rivet trims as shown on page C-17.
4. Apply continuous run of 1” Roll Tape Sealant on top of Gutter.
5. Set Inside Closures in tape and apply another continuous run of 1” Roll Tape Sealant on top of closures.
6. Attach Multi-Cor / M-Cor Roof Panels with 1/4-14 x 1 1/4” TEK 2 ZAC with Washer. (See Fastener Pattern #1).
7. Attach Gutter to roof panel with (1) 1/4-14 x 7/8” TEK 2 ZAC Fastener with Washer. Attach Gutter Straps to Gutter with (2) Pop rivets. Then attach Gutter to Gutter Strap with (1) 1/4-14 x 1 1/4” TEK 2 ZAC Fastener with Washer.

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**MULTI-COR / M-COR PANEL**

**GUTTER STRAP**

**POP RIVET**

2 PER STRAP

**GUTTER**

**DOWNSPOUT**

**MULTI-COR / M-COR ROOF PANEL**

**INSIDE CLOSURE W/ 1” ROLL TAPE SEALANT (TOP & BOTTOM)**

**#12-14 X 1 1/4” TEK 2 FASTENER W/ WASHER (SEE PATTERN #1 ON PAGE B-1.)**

**INSIDE CLOSURE (RECOMMENDED)**

**EAVE STRUCTURAL MEMBER**

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*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC*
NOTES: 1. Extend lower Multi-Cor / M-Cor Roof Panel 6” past web of Roof Structural Member.
2. Apply continuous run of 1” Roll Tape Sealant on top of lower Multi-Cor / M-Cor panel 5 3/4” down from end of panel.
3. Install upper Multi-Cor / M-Cor panel and fasten with 1/4-14 x 1 1/4” TEK 2 ZAC Fasteners with Washer. (See Fastener Pattern #1 On Page B-1).
NOTES: 1. Attach Multi-Cor / M-Cor Roof Panels with 1/4-14 x 1 1/4" TEK 2 ZAC Fasteners with Washer. (See Fastener Pattern #2 On Page B-1.)
NOTES: 1. Attach Multi-Cor / M-Cor Roof Panels with #12-14 x 1 1/4" Lap TEK 2 Fastener with Washer (See Fastener Pattern #1 On Page B-1).
2. Install a continuous line of 1" Butyl Tape Sealant above fasteners. Seat Outside Closures in tape sealant. Install another continuous line of 1" Tape Sealant on top of closures.
3. Attach Ridge Trim to roof panels with #12-14 x 7/8" Lap TEK ZAC Fastener with Washer at major ribs. Make sure fastener penetrates sealant.
4. Trim pieces lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant at trim laps and secure trim joint with #12-14 x 7/8" Lap TEK ZAC Fastener with Washer at every second rib.

**NOTE:** SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DRAWING.
**RAKE DETAIL**

**NOTES:**
1. Attach Multi-Cor / M-Cor Panel to Rake Angle with #12-14 x 1 1/4" Tek 2 Fastener W/ Washer using Fastener Pattern (See Fastener Pattern # 2 On Page B-1).
2. Attach Multi-Cor / M-Cor Panel Roof Panels in place with 1/4-14 x 1 1/4" TEK 2 ZAC Fastener with washer (See Fastener pattern #2 On Page B-1).
3. Install a continuous line of 1" Butyl Tape Sealant were Rake Trim rest on roof panel.
4. Attach Rake Trim to roof panels with 1/4-14 x 7/8" Lap TEK ZAC Fasteners with Washers @ 1'-0" O.C.
5. Attach Rake Trim to Multi-Cor / M-Cor Panels with 1/4-14 x 7/8" Lap TEK Fasteners with Washer (See Fastener pattern #2 On Page B-1).
6. Trim lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant at trim laps and secure trim joint with 1/4-14 x 7/8" Lap TEK with washer at every forth rib.

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**MULTI-COR / M-COR PANEL**

1/4-14 X 7/8" LAP TEK ZAC FASTENER ( @ 1'-0" O.C.)

RAKE ANGLE

#12-14 X 1 1/4" TEK 2 FASTENER W/ WASHER
(SEE PATTERN #1 ON PAGE B-1.)

1/4-14 X 7/8" LAP TEK FASTENER ( @ EVERY FORTH RIB.)

RAKE TRIM

OUTSIDE CLOSURE (RECOMMENDED)

MULTI-COR / M-COR PANEL

1" ROLL TAPE SEALANT (CON.ALONG RAKE)

1/4-14 X 1 1/4" TEK 2 ZAC FASTENER (SEE PATTERN #2 ON PAGE B-1.)

ROOF STRUCTURAL MEMBER

RAKE ANGLE

OUTSIDE CLOSURE (RECOMMENDED)

#12-14 X 1 1/4" TEK 2 FASTENER W/ WASHER
(SEE PATTERN # 1 ON PAGE B-1.)

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*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC*
NOTES: 1. Attach Multi-Cor / M-Cor Panels with #12-14 x 1 1/4" TEK 2 Fastener (See Fastener Pattern #1 On Page B-1.)
2. Install a continuous line of 1" Butyl Tape Sealant were Rake Tie-In Trim rest on roof panel.
3. Attach Rake Trim to roof panels with #1/4"-14 x 7/8" Lap TEK ZAC Fastener at 1' O.C.
4. Trim pieces lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant at trim laps and secure trim joint with 1/4-14 x 7/8" Lap TEK ZAC.
NOTES:
1. Attach Wall Panel to Eave Structural Member with #12-14 x 1 1/2" Tek 2 Fastener W/ Washer using Fastener Pattern (See Fastener Pattern #2 On Page B-1).
2. Attach Multi-Cor / M-Cor Roof Panels with #12-14 x 1 1/4" Lap TEK Fastener with Washer (See Fastener Pattern #1 On Page B-1).
3. Install a continuous line of 1" Butyl Tape Sealant below fasteners. Seat Outside Closures in tape sealant.
4. Attach High Side Eave Trim to roof panels with 1/4-14 x 7/8" Lap TEK ZAC with washer at major ribs. Make sure fastener penetrates sealant.
5. Trim pieces lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant at trim laps and secure trim joint with 1/4-14 x 7/8" Lap TEK ZAC with Washer at major ribs.
NOTES:

1. Attach Multi-Cor / M-Cor Panels with #12-14 x 1 1/4" Lap TEK 2 Fastener W/ Washer using Fastener Pattern (See Pattern #1 On Page B-1).
2. Install a continuous line of 1" Butyl Tape Sealant. Seat Outside Closures in tape sealant. Install another continuous line of 1" Butyl Tape Sealant on top of closures.
3. Attach High Side Tie-In Trim to roof panels with 1/4-14 x 7/8" Lap TEK ZAC with washer at major ribs. Make sure fastener penetrates sealant.
4. Trim pieces lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant at trim laps and secure trim joint with 1/4-14 x 7/8" Lap TEK ZAC at major ribs.
NOTES: 1. Attach Masonry Wainscoat Trim to Base Structural Member with Temporary Framing Fasteners.
2. Set Inside Closure in place.
3. Attach Multi-Cor / M-Cor Wall Panels with #12-14 x 1 1/4" Tek 2 Fastener W/ Washer using Fastener Pattern (See Fastener Pattern #1 On Page B-1).
NOTES: 1. Apply 3/32 x 3/8" Roll Tape Sealant or a 3/16" bead of Tube Butyl 1 1/2" back from the edge of the trim. Also, apply a piece of tape sealant or bead of Tube Butyl as a Pigtail to completely seal joint.
2. Notch the hems on the upper trim piece 2" so that the trim will fit flat in the lap joint.
3. Secure trim laps with Pop Rivets as shown above.